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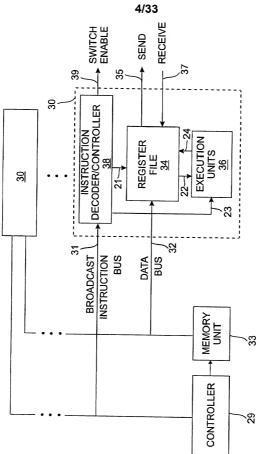


FIG. 3A

FIG. 3B

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	8	13	23	33	83	5	23	83	83	13	23	33
ı.l.	05	12	22	32	02	12	22	32	05	12	22	32
95 75 75 CE	0.1	Ξ	21	3.1	6	Ξ	21	3	6	Ξ	21	31
	8	9	20	30	8	0	20	30	8	2	8	30
i.	8	13	23	33	(a)	(E)	23	83	ន	5	23	33
	05	12	22	32	(g)	E	[2]	32	05	12	22	32
uta	9	Ξ	12	<u>e</u>	(a)	E	(E)	(E)	[5]	Ξ	21	31
	8	9	20	8		P	(B)	(E)	00 00 00 00 00 00	2	20	30
	8	13	23	33	8	E	(E)	(E)	8	13	23	33
	05	12	22	32	05	2	(E)	(B)	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	12	22	32
	10	Ξ	21	3.	6	=	[2]	(E)	4 [0]	Ξ	21	3.
	8	0	8	30	8	9	8	8	00 4	0	70	30

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±	05	12	22	32	8	12	Z	\B	\[\(\frac{2}{5}\)	12	22	32
	6	Ξ	2	<u>8</u>	6	E	\[\bar{\bar{\bar{\bar{\bar{\bar{\bar{	(E)) [0]	Ξ	21	31
700	8	10	20	8	8		R	(3)) 00 24	2	20	30
ě	83	13	23	83			R	(3)	S	13	23	33
	03	12	22	32			[E]	[H	[2]	12	22	32
olia	10	=	21	<u>ء</u>		E	N	31	[E]	Ξ	21	3.
	8	9	8	8			8	30	9	2	20	30
	83	13	23	33	8	13	83	33	8	13	23	33
	05	12	22	32	05	12	22	32	05	12	22	32
	6	=	21	31	6	Ξ	21	3]	10	Ξ	21	3]
	8	2	8	30	8	2	20	8	8	2	70	30

8	<u>=</u>	23	33	8	13	83	33	ន	13	23	33
[02]		[2]	32	8	12	22	32	05	12	22	32
اً ا	(E)	(E)	(E)	6	Ξ	12	3	0	Ξ	21	31
8		(B)	B	(E)	2	20	30	8	2	20	30
8	P	(E)	(E)	1	> [2]	ន	33	8	13	23	33
05	2	(B)	(E)	(a)	12	22	32	[2]	12	22	32
6	Ξ	[Fi]	(E)	(a)	> =	21	3	[III	Ξ	21	3.1
8	2	20	(8)	3	2	20	8	90 40	2	8	30
8	13	23	33	03	13	23	33	03	73	23	33
05	12	22	32	05	12	22	32	05	12	22	32
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å	05	12	22	32	05	12	22	32	05	12	22	32
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nã.	8	13	23	8		13	23	33	8	13	23	33
- 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	05	12	[2]	[E]		[2]	22	32	03	12	22	32
#	6		(B)	(E)		=	12	<u>8</u>	[0]	Ξ	21	3.1
			R	3		2	20	90	8	10	20	30
	8 5 5 6 7		[R]	[3]	8	13	23	33	8	5	23	33
	[2] 22 23		N	32	05	12	22	32	05	12	22	32
	[5] <	E	[2]	3	0	Ξ	21	31	0	Ξ	21	31
	8	2	20	8	8	10	20	30	8	9	20	30

	ន	13	23	33	ន	13	23	33	ន	13	23	33
	05	12	22	32	02	12	22	32	05	12	22	32
talk has, fluid fall	6	=	21	<u>.</u>	6	Ξ	12	3	6	Ξ	12	31
a mar finar famili	8	2	8	8	8		R	₽	8	0	20	30
- Income	8	13	23	33	8	((B)	(E)	8	13	23	83
Auto Mr. Come	05	12	22	32	20		B	(E)	[2]	12	22	32
h	0	Ξ	2	3	[<u>5</u>]	((E)	(E)	(a)	<u></u> ,[Ξ	21	31
	8	5	20	စ္က	8		(B)	(E)) []	70	90
	93	13	23	33	ខ	2	R	(E)	(a)	1349	23	33
	05	12	22	32	05	12	22	R	(B)	1247	22	32
	6	Ξ	21	31	[0]	Ξ	21	3.	<u></u>	11 45	21	3]
	8	9	20	90	8	2	20	30	8	2	70	30

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	03	13	23	33	03	13	23	33	03	13	23	33
à	05	12	22	32	02	12	22	32	02	12	22	32
1	10	Ξ	21	3.	9	Ξ	[2]	(E)) [0]	=	21	31
GOK TRUE	8	10	20	8	8	[2]	[8]	8	65 00	2	20	8
ı.	ន	13	23	33			R	(2)	(E)	13	83	33
U + 5 +	05	12	22	32			(E)	22	[8]	12	23	32
÷	9	Ξ	21	3		€	(a)	(E)	[5]	Ξ	21	31
	8	2	70	8			B	(B)	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	20	20	30
	ខ	13	23	33	ន	<u>=</u>	(E)	TE TE	8 28	13	23	33
	05	12	22	32	05	12	N	(B)	>[8]	12	22	32
	5	=	21	31	6	Ξ	21	<u>E</u>	[0]	=	21	31
	8	2	20	8	8	2	20	8	8	0.	20	30

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	03	13	23	ಜ	83	13	23	33	83	5	23	33
å.	02	12	22	32	02	([2]	32	05	12	22	32
j	6	Ξ	21	31	10		(E)	(E)	10	Ξ	21	31
	8	10	70	8	8		(B)	B	(B)	9	20	30
å	83	13	23	33	8		(E)	(E)		\ <u>=</u>	23	33
The first first first	05	12	22	32	[2]	[2]	(B)	(E)	(a)	\ \[\frac{2}{2}\]	22	32
de	6	Ξ	21	3	6	Ξ	[2]	(E)		\ E \ \$	12	31
	8	의	20	8	8	으	8	8			20	30
	ខ	13	23	33	03	13	23 9	33	8	13 44	23	33
	05	12	22	32	05	12	22	32	05	12	22	32
	6	Ξ	21	3.	6	Ξ	12	3.	6	Ξ	[2]	3.1
	8	2	20	30	8	9	8	30	8	2	20	30

FIG. 7

FIG. 8

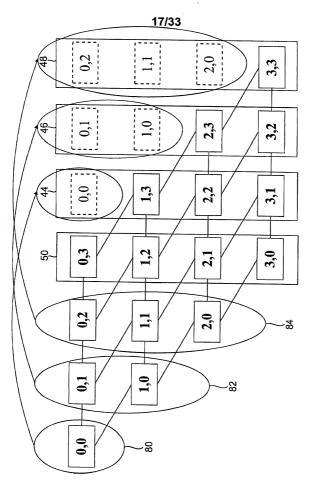
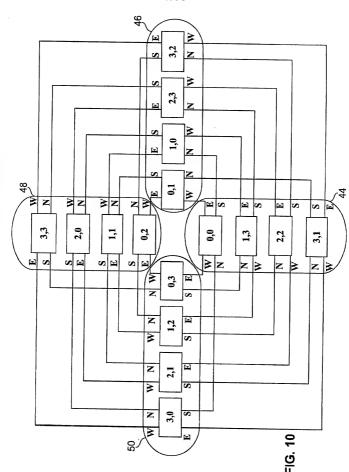
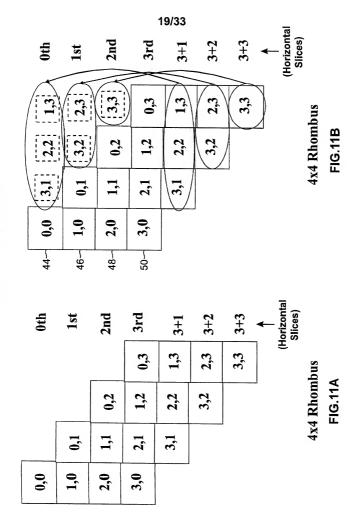
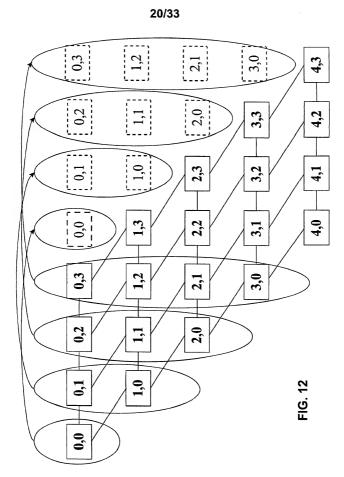


FIG. 9



THE CONTRACTOR





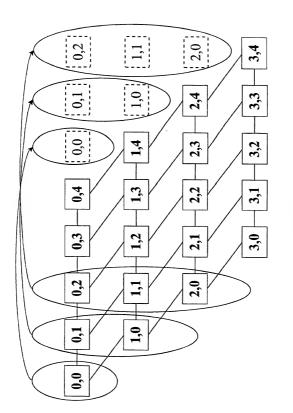


FIG. 13

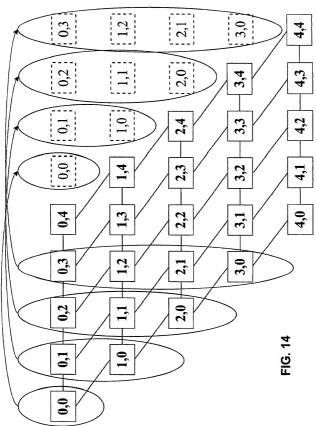


FIG. 15B

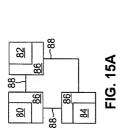
48

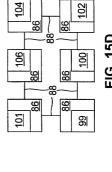
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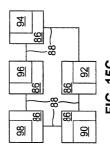
,8

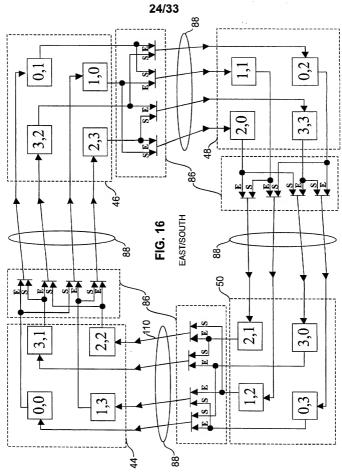
98

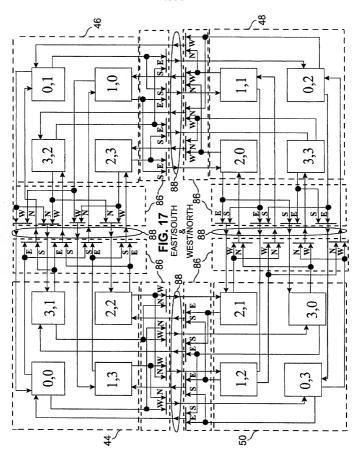
88

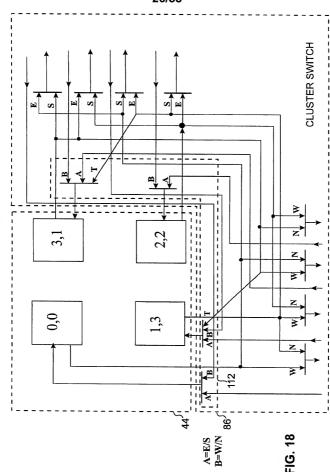












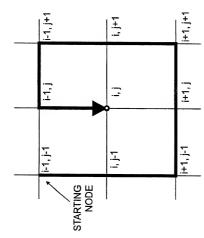
ANNUC POD ADDANA

W0,0 W0,1 W0,2

W1,0 W1,1 W1,2

W2,0 W2,1 W2,2

CONVOLUTION WINDOW FIG. 19A



CONVOLUTION PATH FOR NODE i,j FIG. 19B

l	`
	P0,7
	P0,6
	P0,5
	P0,4
	P0,3
	P0,2
	P0,1
	P0,0

0	0
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4	2

P3,0

	P4,4 P4,5 P4,6 P4,7	P5,4 P5,5 P5,6 P5,7	P6,4 P6,5 P6,6 P6,7	
•	P4,0		0,9	•

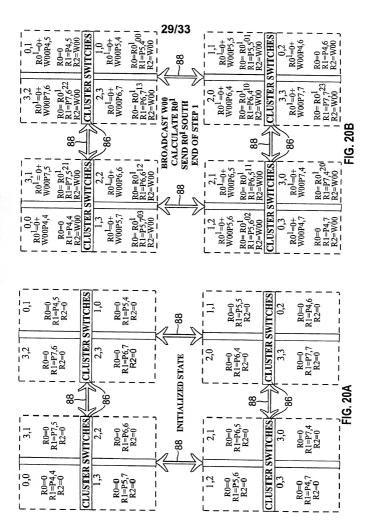
6,0	P4,7	1,3	P5,7	2,3	P6,7	3,3	P7,7
0,2	P4,6	1,2	P5,6	2,2	P6,6	3,2	P7,6
0,1	P4,5	1,1	P5,5	2,1	P6,5	3,1	P7,5
0,0	P4,4	1,0	P5,4	2,0	P6,4	3,0	P7,4

FIG. 19D

P7,4 P7,5 P7,6 P7,7

P7,0

FIG. 190



$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	R0=0 R0=R0 ³ R0=R0 ³ R0=R0 ³ R0=R0 ³ R1=P4,500 R1=P7,631 R1=P4,500 R2=W20 R2=W	98	R0= R0 ³ R1=P6,7 ²² R2=W20	BROADCAST W20 CALCULATE R03 -88 SEND R03 EAST END OF STEP 3	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	R0 ³ R0= 0 R0= R0 ³ R 44,7 R1=P7,4 R1=P7,732 R V20 R2=W20 R2=W20 R	FIG. 21B
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	R0=0	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	BROADCAST W BROADCAST W CALCULATE R CALCULATE R END OF STEP 2	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	RD=R0 ² RO=R0 ²	98	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	FIG. 21A

5,500 1 22 1 1 22 1 2 1 2 2 1 2 2 1 2 2 2 2 2	31/	33 - 5 1 - 5	37 <u>-</u> 5 - 2 - 7
R0 ⁵ R0 ⁴ +W22P4,500 R0 = R0 ⁵ R1=P4,511 R2=W22 SWITCHES R0 ⁵ 0 +W22P5,4 I	R0 = R05 R1=P5,420 R2=W22 L =	R05= R04 +W22P5,540 R0= R05 R0= R05 R1= R5,521 R2= W25 RX=W25	R05=R04 +W22P4,601 R0=R05 R1=P4,612 R2=W22
R0 ⁵ = R0 ⁴ R0 ⁵ = R0 ⁴ R0 ⁵ = R0 ⁴ +W22P ⁴ ,50 R0 = 0 R0 = R0 ⁵ R1 = P7,6 R1 = P4,51 R2 = W22 R2 = W22 R2 = R2 R3 = R3 R0 ⁵ = R0 ⁴ R0 ⁵ = R0 ⁴ R0 ⁵ = R0 ⁴ +W22P ⁵ ,72	2 R0 = R05 R1 = R05 R1 = R05 R2 = W22 R2 = W2 = W2 R05	STEP 5	J
88	ROADCA	END OF STEP 5 Rosin Rosin	HG. 22B
ROS-ROS-ROS-ROS-ROS-ROS-ROS-ROS-ROS-ROS-	$ \begin{array}{c c} R0 = R0^5 \\ R1 = P6.632 \\ R2 = W22 \\ \hline R2 = W22 \\ \hline R3 & SF \end{array} $	R05-R04 RN5-R04 RN5-R04 RN5-R04 RN5-R04 RN5-R05-R04 RN-R05-R05-R05-R05-R05-R05-R05-R05-R05-R05	3,0 80,50 1,00 1,00 1,00 1,00 1,00 1,00 1,00
R05=0+ W22P4,4 W22P4,4 R0=R05 R1=P4,4 ¹⁰ R2=W22 CLUSTER 1,3 R05=R04 +W22P5,7 ¹²	R0=R0 ⁵ R1=P5,7 ²³ R2=W2 ²	RO ⁵ = RO ⁴ RO ⁵ = RO ⁴ +W22P5,6 ¹ RO = RO ⁵ R1 = P5,6 ² 2 R1 = P5,6 ² 2 R2 = W22	R05=R04 +W22P4,702 R0=R05 R1=P4,713 R2=W22
,			
R0 ⁴ -R0 ³ +W21P7,631 R0 ⁴ -R0 ³ +W21P4,501 R1=P7,631 R2=W21 R	R0=0 R1=P5,4 R2=W21 	R04=R03 +W21P5,510 R0=R04 R1=P5,510 R2=W21	R04=R03 +W21P4,601 R0=R04 R1=P4,601 R2=W21
3,2 R0 [±] R0 ³ HW21P7,6 ³ 1 R0=R0,8 R1=P7,6 ³ 1 R2=W21 CLUSTER 2,3 R0 [±] R0 ³ +W21R6,722	$\begin{array}{c c} & R_0 = R_0^4 \\ & R_1 = P_0, 722 \\ & R_2 = W_2 \\ & ROADCAST W21 \\ & CALCULATE R0^4 \\ & SEND R0^4 EAST \\ \end{array}$	TEP 4	3,3 R0 ⁴ =R0 ³ +W21P7,9 ³ 2 R0=R0 ⁴ R1=P7,7 ³ 2 R2=W21
88	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	END OF STEP 4	86 1 1 1 1 1 1 1 1 1
R0 ⁴ =R0 ³ +W21P7;530 R0 = R0 ⁴ R1 = P7;530 R2 = W21 R2 = R23 R2 = R3 R4 = R3 R4 = R4 R4 = R4	R0 = R04 R1=P6,621 R2=W21 	E1	3,0 R0 ⁴ = 0 +W21P7,4 R0= 0 R1=P7,4 R2=W21 F2=W21
00 R04=0+ W21P4,4 R0=0 R1=P4,4 R2=W21 CLUSTER 1,3 R04=R03 +W21P5,712	R0 = R04 $ R1 = P5,712$ $ R2 = W21$	1.2 1.2	0,3 R0 ⁴ = R0 ³ +W21P4,702 R0= R0 ⁴ R1=P4,702 R2=W21

32/33		
RO ⁻ RO ² RO ⁻ RO ² RO-RO ³ RO-RO ³ RO-RO-RO ³ RO-RO-RO-RO ³ RO-RO-RO-RO-RO-RO-RO-RO-RO-RO-RO-RO-RO-R	2.06 RO ² RO ²	
R0 ² 0 R	R0= R0/2 R0= R0/2 R0= R0/2 R1=P6,421 R3=P6,421 R2=W02 CLUSTER 8 R0=0 +W02P7,7 R0=0 R1=P7,7 R0=0 R1=P7,7 R2=W02	m
R07 R07 R07 R07 R07 R0 R0	m 1 6	FIG. 23B
3,1 R0 ⁷ =0 HW02P7, R0=R0 ⁷ R1=R0 ⁷ R1=R0 ⁷ R0 ² R0 ² R0 ² R0 ² R0 ² R0	1,2 1,2	ш.
No No No No No No No No	RO ² RO ² RO RO RO RO RO RO RO RO	
3,2	1,1,5 +W12P5,2 Re-R0 ⁶ , R1=P5,5 ² R1=P5,5 ² R1=P5,6 ² WITCHES W12P4,6 ¹ 2 R0 ⁶ =R0 ⁵ +W12P4,6 ¹ 2 R0 = R0 ⁶ R1=P4,6 ¹ 2	
R0=0 R0=0 R0=0 R1=P76 R1=P76 R2=W12 R2=W12 R0=R0 R1=P6,73 R1=P6,73 R1=P6,73 R1=P6,73 R2=W12 	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	-
R06 R1 R1 R06 R1 R1 R1 R1 R1 R1 R1 R	98	FIG. 23A
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	R0 ⁶ = R0 ⁵ +W12F6,531 R0= R0 ⁶ R1=F6,531 RZ=W12 WITCHES R0 ⁶ = 0 +W12P7,4 R0 ⁶ = 0 R0 ⁶ = 0 R1=P7,4 R1=P7,4 R1=P7,4	L
Note	R06 = R05 R06 = R05 R0 = R05 R0 = R05 R1 = P05 52 R1 = P05 53 R2 = W12 R2 = W12 R2 = W12 R3 = W12 R06 = R05 R06 = R05 R1 = P05 53 R2 = W12 R1 = R05 R1 = R0	

$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	R0=R0 ⁹ R0=R0 ⁹ R1=F6.972 R2=W11 R2=R0 ⁹ R2=R0	HW11P5,6
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	RO= R0 ⁸ R0 ⁸	Hwolps, Hwol